

## *Gomphus quadricolor* (Rapids Clubtail)

### Priority 2 Species of Greatest Conservation Need (SGCN)

**Class:** *Insecta* (Insects)

**Order:** *Odonata* (Dragonflies And Damselflies)

**Family:** *Gomphidae* (Clubtails)

#### General comments:

Only Saco River (2 EOs); globally rare; specialized habitat; Surveys in 2009 unsuccessful at documenting population.

#### Species Conservation Range Maps for Rapids Clubtail:

Town Map: [Gomphus quadricolor\\_Towns.pdf](#)

Subwatershed Map: [Gomphus quadricolor\\_HUC12.pdf](#)

#### SGCN Priority Ranking - Designation Criteria:

##### Risk of Extirpation:

Maine Status: **Endangered**

**State Special Concern or NMFS Species of Concern: NA**

**Recent Significant Declines: NA**

**Regional Endemic: NA**

**High Regional Conservation Priority: NA**

**High Climate Change Vulnerability: NA**

**Understudied rare taxa: NA**

**Historical: NA**

**Culturally Significant: NA**

#### Habitats Assigned to Rapids Clubtail:

Formation Name		Freshwater Aquatic
Macrogroup Name		Rivers and Streams
Habitat System Name:		Medium River <b>**Primary Habitat**</b> Notes: rocky and gravelly, mud bottomed rivers, usually on the large side, with moderate to fast current
Formation Name		Northeastern Upland Forest
Macrogroup Name		Northern Hardwood & Conifer
Habitat System Name:		Appalachian (Hemlock)-Northern Hardwood Forest Notes: secondary (riparian only)
Habitat System Name:		Northeastern Coastal and Interior Pine-Oak Forest Notes: secondary (riparian only)
Formation Name		Northeastern Wetland Forest
Macrogroup Name		Northern Swamp
Habitat System Name:		North-Central Appalachian Acidic Swamp Notes: secondary (riparian only)

#### Stressors Assigned to Rapids Clubtail:

Stressor Priority Level based on Severity and Actionability	Moderate Severity		High Severity	
	Highly Actionable		Medium-High	
	Moderately Actionable		Medium	
	Actionable with Difficulty		Low	

IUCN Level 1 Threat

Other Options

**IUCN Level 2 Threat:**

Lack of knowledge

**Severity:** Moderate Severity

**Actionability:** Highly actionable

**Notes:** Lack of comprehensive survey effort to identify additional occurrences and monitor population status/trends

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#### IUCN Level 1 Threat      Biological Resource Use

**IUCN Level 2 Threat:**      Logging and Wood Harvesting
**Severity:** Moderate Severity**Actionability:** Moderately actionable**Notes:** Intensive forestry in the shoreland zone can affect water quality and riparian habitat

#### IUCN Level 1 Threat      Pollution

**IUCN Level 2 Threat:**      Agricultural and Forestry Effluents
**Severity:** Moderate Severity**Actionability:** Moderately actionable**Notes:** Aquatic larvae sensitive to pesticides
**IUCN Level 2 Threat:**      Domestic and Urban Waste Water
**Severity:** Moderate Severity**Actionability:** Moderately actionable**Notes:** Aquatic larvae sensitive to water quality

#### IUCN Level 1 Threat      Residential and Commercial Development

**IUCN Level 2 Threat:**      Housing and Urban Areas
**Severity:** Moderate Severity**Actionability:** Moderately actionable**Notes:** Degradation of the riparian zone affects water quality and roosting/feeding habitat

#### IUCN Level 1 Threat      Agriculture and Aquaculture

**IUCN Level 2 Threat:**      Annual and Perennial Non-timber crops
**Severity:** Moderate Severity**Actionability:** Actionable with difficulty**Notes:** Degradation of the riparian zone affects water quality and roosting/feeding habitat

#### IUCN Level 1 Threat      Natural Systems Modifications

**IUCN Level 2 Threat:**      Dams and Water Management-Use
**Severity:** Moderate Severity**Actionability:** Actionable with difficulty**Notes:** Dams degrade habitat quality for many lotic species specialists

### Species Level Conservation Actions Assigned to Rapids Clubtail:

*\*Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

<b>Conservation Action</b>	<b>Category:</b> Survey and Monitoring	<b>Biological Priority:</b> critical	<b>Type:</b> new
Conduct surveys to determine the status of the historic population(s) on the Saco River. This species may no longer be extant in Maine.			

#### Stressor(s) Addressed By This Conservation Action

Lack of knowledge

### Conservation Actions Associated with the Riverine Odonates Guild:

<b>Conservation Action</b>	<b>Category:</b> Research	<b>Biological Priority:</b> high	<b>Type:</b> new
Prepare a statewide atlas and conservation assessment.			

#### Stressor(s) Addressed By This Conservation Action

Lack of knowledge

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**Broad Taxonomic Group Conservation Actions:**

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

**Habitat Based Conservation Actions:**

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*